

BID SOLICITATION NOTICE

TO RECEIVE A BID PACKAGE, BIDDERS MAY EITHER DOWNLOAD THE REQUEST FOR BIDS ("RFB") FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW. FOR RECORD KEEPING PURPOSES, THE AUTHORITY REQUESTS THAT THE BIDDER COMPLETE THIS FORM AND RETURN IT TO THE PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT, EVEN WHEN A BIDDER IS DOWNLOADING THE RFB. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS.

THE NEW JERSEY TURNPIKE AUTHORITY PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT

New Jersey Turnpike Administrative Offices
P.O. Box 5042, 581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300 Ext. 8640 Fax - 732-750-5399

TITLE: **LIFT BODY PLATFORM TRUCK AND ACCESSORIES**
BID NO: **R-113082**
DUE DATE: **January 28, 2015**
TIME: **11:30 am**

SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO

FAX NO

☐

WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE

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FAX NO

_____ BUSINESS CORPORATION _____ PARTNERSHIP _____ INDIVIDUAL

_____ OTHER (SPECIFY) _____

SECTION I

A. INTRODUCTION

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the “Roadways”).

The Authority is governed by an eight member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$35,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in N.J.S.A. 27.23-6.1 and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority with regard to public bid procurement.

B. BIDDER GUIDELINES/CHECKLIST

BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. The Request for Bids (“RFB”), including specifications and related bid documents (“Bids”) must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Late Bids will be returned unopened. Telephone or facsimile Bids will not be accepted.
2. The entity submitting a Bid (“Bidder”) must provide one original and one copy of the Bid. The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. The Bidder must attend the mandatory site inspection at the following date(s) and time(s) if applicable:
6. If checked this RFB requires the following mandatory document(s) or the Bid **will** be rejected:
 - (a) Bid Bond or Cashier’s Check for 10% of the amount Bid or a Letter of Surety ☒
 - (b) Stockholder/Partnership Disclosure Statement ☒
7. See the Authority’s Instruction to Bidders for a complete list of the Authority’s standard contract Terms and Conditions, as well as required forms that must be included with the Bid (**ATTACHED**).

The following checked documents are required for this Bid. Failure to submit the required forms may result in the rejection of the Bid.

- (a) State of New Jersey Division of Revenue Business Registration Certificate ☒
 - (b) Certification of Registration with the Secretary of State (only if non-NJ corporation) ☒
 - (c) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC) ☒
 - (d) Public Works Contractor Registration Certificate(s) (if applicable) ☐
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302 ☒
 - (f) Signed Mandatory Equal Employment Opportunity Language ☒
 - (g) SBE/WBE/MBE Certificates and Form ☒
 - (h) Vendor Disclosure Form (EO129-Location of Services) ☒
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c 159) ☒
 - (j) Automobile Insurance Liability Waiver ☐
 - (k) Insurance Certificate ☒
 - (l) Disclosure of Investment in Iran ☒
8. Bidder must sign Bid ☒
 9. Three year Open Option Clause ☒

SECTION II

A. INTENTION

1. Sealed Bids for **R-113082** must be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main Street, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. It is the intention of the Authority to issue a purchase order or notice of award for a price agreement for the procurement of **two (2) LIFT BODY PLATFORM TRUCKS AND ACCESSORIES.**
4. Items purchased under this contract will be delivered as directed by the Authority.
5. Please contact Richard Bava with any questions regarding this procurement contract at 732-750-5300 x-8636, or rbava@turnpike.state.nj.us.

B. BID SHEET INSTRUCTIONS

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications shall be issued by the Director of PMM in response to inquiries and/or addendum shall be faxed to Bidders who have obtained the Bid Documents. Upon the issuing of an addendum, the addendum shall become part of the bid documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.**
3. Written requests can be submitted by FAX at 732-750-5399.
4. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be

presumed to have been based upon the Authority's interpretation of such ambiguity or inconsistency.

5. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.

The Bidder shall not attach conditions, limitations or provisos to their Bid, except in cases where "exceptions" are permitted.

6. **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the proposal on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Sheet in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

C. BASIS OF AWARD

1. **Bidders must supply a price for every item listed. Bids not having a price for all listed items may be rejected.**
2. **Bidders must quote only one price per line item. If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases or decreases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price.
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsive Bidder for the total line items Bid.

D. MISCELLANEOUS

1. Delivery Date _____
(Insert if applicable)

2. Payment Terms: The Authority's standard payment terms are Net 30 days. Prompt payment discounts may be offered and must be a minimum of 10 days.

3.
Discount: Maximum time period: _____ Percentage: _____

Note: Although prompt payment discounts will not be considered in determining low Bid, the Authority reserves the right to take advantage of any such discounts offered.

BID PRICE SHEET

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL DOLLAR AMOUNT
1	2	EA	LIFT BODY PLATFORM TRUCKS, AS PER ATTACHED SPECIFICATIONS	\$	\$

ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX TO 732-750-5399
NO LATER THAN FIVE (5) BUSINESS DAYS BEFORE BID OPENING

NEW JERSEY TURNPIKE AUTHORITY

Andrea E. Ward
Director, PMM Department

_____/_____
Name of Company / Authorized Signature of Bidder

E. SIGNATURE PAGE

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

☐

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.
3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** _____

Print Name and Title: _____

Bidder: _____

Address: _____

City _____ State _____ Zip: _____

E-mail address: _____

Telephone #: _____ Fax #: _____

Date: _____

SECTION III

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-113082

BID TITLE: LIFT BODY PLATFORM TRUCKS AND ACCESSORIES.

If you do not choose to respond to this Bid, please complete the form below:

Name of Company _____

Reason you did not respond (Check all that apply):

_____ Cannot supply product or service

_____ Cannot meet technical specifications

_____ Cannot meet delivery specifications

_____ Cannot meet legal requirements
(i.e. Bid/performance/security/insurance, etc.)

_____ Cannot provide a competitive price at this time

_____ Interested in receiving specifications for informational purposes only

_____ Insufficient lead time to respond

_____ Other:(please be specific) _____

_____ Do you wish to remain on our mailing list?

_____ Yes _____ No

Additional comments: _____

Signed (optional): _____

Company: _____

ADDITIONAL YEARS PURCHASING OPTION, for R-113082

BID TITLE: LIFT BODY PLATFORM TRUCKS AND ACCESSORIES.

3 - Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those contained herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires, re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request for Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is_____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: 40,000 lbs. GVWR CAB/CHASSIS LIFT BODY PLATFORM TRUCK AND ACCESSORIES

Quantity	Description	Maximum Delivery Date
2	Lift Body Platform Truck and Accessories	240 Days After Receipt of Order

SPECIFICATIONS:

CC-2015 CAB/CHASSIS

LBP-2015 LIFT BODY PLATFORM

LBS-2015 LIGHT BAR STANCHION

RL-2015 ROTATOR LIGHTS

7PTC: 7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

7PTC-ABS: 7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis.

The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to

the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

DELIVERY INSTRUCTIONS: Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**

A. Vendor shall be responsible for all delivery, shipping and pick-up expenses.

B. The following administrative package **must** accompany all deliveries:

- Certificate of Origin: stamped "Sales Tax Satisfied" and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Invoice: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Warranty forms properly executed.
- Four (4) keys for each vehicle shall be furnished (each vehicle shall have an independent key code). Successful bidder must supply a key code listing for each vehicle identification number. **NO EXCEPTIONS**
- Four (4) keys, keyed alike for toolboxes or similar compartments shall be furnished for each vehicle. **NO EXCEPTIONS**
- State MVC (Motor Vehicle Commission) required inspection stickers shall be provided with each vehicle upon delivery.
- **All vehicles being delivered shall have a dealer plate affixed to the vehicle. Under no circumstances shall a temporary registration (30 temp tag) be attached to the vehicle. The 30 day temp tag shall be hand delivered along with the invoice and all paperwork to Peter Perperas upon delivery.**
- It shall be the responsibility of the awarded vendor that all tolls, when applicable be paid when making delivery to the Authority.

- Federal Safety Inspections shall be performed and stickers shall be attached to the vehicles prior to delivery.

C. All units shall be delivered with a minimum of a half tank of fuel.

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year (see additional warranty coverage's in specification) from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word "None" shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder's exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

SERVICE PARTS IDENTIFICATION FORM: Vendor shall complete the entire Service Parts Identification Form, where applicable for chassis section. Replacement parts shall be available to the general using trade, parts shall not be proprietarily manufacturer protected. **Failure to complete form may result in rejection of bid.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

MANUFACTURER'S PRODUCTION SHEET: The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority's inspection of the unit.

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer's owner manual, along with actual

operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at one (1) site with a minimum of eight (8) hours training at the site designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit or any other related equipment.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location_____

Phone #_____

Contact_____

Name & Title

**SPECIFICATIONS: CC-2015
CAB/CHASSIS**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

	COMPLY	
	YES	NO
GENERAL:		
A. 2015 or new current model International 7400 or approved equivalent 4 x 2, 6-wheel configuration.		
FRAME:		
A. 10.125" x 3.580" x 0.312" 120,000 psi minimum main frame rails, one piece.		
B. 10.813" x 3.892" x 0.312" full "C" channel reinforcement, one piece extending the entire length of main frame.		
C. 3,580,800 RBM (Resisting Bending Movement) minimum .		
D. Huck fasteners shall be used for all cross members, fuel tank, and battery box brackets.		
E. Heavy-duty channel type front bumper with ends swept back at 30° angles and bolt-on front tow hooks with opening through bumper.		
F. Bolt-on or welded frame sections shall not be acceptable.		
G. Bolt-on front tow hooks with opening through the bumper. One right and one left, within easy access to afford quick operator hook up of tow chain. Hooks shall be of drop forged steel with a minimum of 44,500 lbs. working load. Grade 8 bolts shall be used to attach hook to chassis. Each hook shall be curved upward to assure tow chain will not fall off when no tension is present. Welded on hooks shall not be acceptable.		
H. Electro-statically painted frame rails. Written certification is required.		
I. The wheelbase shall be 168", cab to axle shall be 90", and AF shall be as required for body.		
J. 40,000 lbs. G.V.W.R.		
K. The Authority reserves the right to determine final CA and AF dimension		

	COMPLY	
	YES	NO
at issuance of Purchase Order.		
FRONT AXLE:		
A. 14,000 lbs. capacity front axle.		
B. Greaseable drag link and tie rods.		
FRONT SUSPENSION:		
A. 14,000 lbs. capacity front suspension.		
B. Parabolic taper-leaf front springs with shock absorbers.		
C. Spring pins shall be rubber bushed and maintenance free.		
D. 2,000 lbs. capacity auxiliary front springs.		
REAR AXLE:		
A. 26,000 lbs. capacity single reduction with driver controlled main locking differential.		
B. Axle switch shall be LED back-lighted.		
C. An automatic disengage feature shall be supplied to disengage the locking mechanism after the vehicle reaches a speed of 25 mph.		
D. Factory installed synthetic gear lube and magnetic drain plug shall be installed.		
E. Axle ratio shall enable vehicle to cruise at 65 mph at maximum G.V.W.R.		
REAR SUSPENSION:		
A. 31,000 lbs. capacity vari-rate rear springs.		
B. Include 4,500 lbs. capacity multi-leaf auxiliary springs.		
BRAKES:		
A. Brake pedal and valve shall be firewall suspended.		
B. ABS anti-lock air brakes.		
C. Diagnostic electronic capability shall inform operator and the mechanic of any malfunctions including area of system failure.		
D. Air dryer Meritor System Saver and DV-2 moisture ejector or approved equivalent.		
E. "S" cam type on front and rear shoes.		
F. Dust shields shall be provided on front and rear brakes.		
G. 13.2 cubic foot gear driven air compressor with dual air supply gauges.		
H. Air pressure gauges shall be located in the instrument cluster.		
I. Automatic slack adjusters.		
J. Air tanks shall be aluminum and painted black.		
K. All air lines shall be color coded.		
L. Parking brake alarm shall be provided. Horn shall sound when parking brake is not set with ignition off and any door opened.		
STEERING:		
A. Full hydraulic power steering.		
B. Steering column shall be tilt style.		
C. Steering wheel shall have the following switches: <ul style="list-style-type: none"> • Electric horn. • Air horn. 		

	COMPLY	
	YES	NO
<ul style="list-style-type: none"> • Cruise/throttle on/off switch. • Cruise set/resume switch. 		
EXHAUST SYSTEM:		
A. Horizontal diesel particulate filter shall be located outside frame rail and under cab floor.		
B. Exhaust pipe shall be vertically mounted on a bracket and attached to the frame rail.		
C. 90° curved exhaust pipe and heat shield shall be supplied.		
ELECTRICAL:		
A. Programmable electrical system with self-diagnostics. System shall be designed to isolate electrical problems on the input/output side of circuit and display fault codes. Color coded and continuously numbered wiring shall be supplied.		
B. All electronically controlled accessory equipment shall be interfaced to a Body Integrated Remote Power Module mounted inside cab; up to 6 outputs and 6 inputs, maximum 20 amps per channel, maximum 80 amps for each required module. (Includes 2 dash-mounted switch packs with 6 switches latched or momentary/labeled and back-lighted) with this system including but not limited to switches, controls and indicators. Anticipated provisions shall be communicated to the chassis manufacture prior to chassis build.		
C. All circuits shall be protected by manual reset circuit breakers or fuses shall be mounted in the OEM central power distribution panel.		
D. A pre-trip inspection to test exterior light functions shall be supplied that shall enable the operator to test the exterior lights (body lights, parking lights, headlights low& high beam, right/left/rear turn lights, brake lights, rear warning and rotator lights) by means of a button located in the cab.		
E. Three (3) 12-volt 1950 CCA maintenance free batteries with over crank protection. Batteries shall be mounted on a steel (powder coated black) box with aluminum (not painted) cover.		
F. AM/FM radio with weather band, clock, and speakers.		
G. Turn signal switch shall include “flash to pass” feature.		
H. Daytime running lights, fender mounted dual faced amber/amber directional lights in addition to front corner directional shall be provided.		
I. Taillights shall have a separate 8' of cable for left and right side body lights.		
J. Stop, turn, tail, and back-up lights shall be a Truck Lite model LED or approved equivalent.		
K. The following lights shall automatically turn on when wiper switch is engaged: <ul style="list-style-type: none"> • Headlights • Taillights • Marker lights 		
L. Five (5) LED cab marker lights shall be provided.		

	COMPLY	
	YES	NO
M. Wipers shall have two (2) speeds with washer and intermittent feature. Wiper control shall force wipers to their slowest intermittent speed when parking brake is set and wipers are left on for more than 30 seconds.		
N. 165-amp Delco Remy 36SI brushless, pad mounted with remote voltage sensor or approved equivalent alternator.		
O. Gauges & Lights: <ul style="list-style-type: none"> • Oil pressure • Water temperature • Warning lights • Voltmeter • Speedometer • Tachometer • Odometer • Trip miles • Engine hours • Trip hours 		
P. Dual electric horns.		
Q. Dual single tone rectangular chrome air horns mounted on top of cab with snow shields.		
R. Back-up alarm shall be a Preco 1059 electronic solid state, dual function 112 db or approved equivalent. OEM installed and mounted under the right taillight. Alarm shall be wired in a self-adjusting mode to automatically produce 10 decibels nominal above the surrounding noise.		
S. Body builder harness shall be located outside of cab. Included shall be stop, tail, turn, and marker light circuits, ignition controlled auxiliary feed, and ground.		
T. Chassis manufacture shall supply 2-way radio wiring with 20 amp fuse protection. Shall include 5 amp fuse and be routed to overhead radio console.		
U. A weatherproof module for body builder connections shall be located inside the cab.		
V. All switches must be back-lighted and (OEM) labeled.		
W. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solderless connectors is unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, sealed with silicone and painted prior to installation to prevent rust.		
X. In addition to the control switch, all lighting and accessories shall turn off with ignition key "off" except for Federal D.O.T. requirements.		
Y. It shall be the responsibility of the body supplier to ensure capability of installed equipment with switches provided by chassis manufacturer. The following switches shall be provided by the chassis manufacturer and will be		

	COMPLY	
	YES	NO
incorporated in the chassis standard wiring and circuit protection:		
<ul style="list-style-type: none"> • Front rotator lights • Rear warning lights 		
ENGINE:		
A. Electronic, 6-cylinder turbo-charged diesel engine.		
B. 310 Horsepower minimum @ 2000 rpm.		
C. 1050 lb./ft. Torque minimum @ 1050 rpm.		
D. 570 Cubic inch displacement.		
E. Replaceable “wet type” cylinder piston liners. Oil cooled pistons.		
F. Positive valve rotators on both intake and exhaust valves.		
G. Heavy-duty starter with over crank protection.		
H. Cruise control integral with steering wheel.		
I. Provision for remote mounted engine control to include wiring for body builder installation of PTO controls, ignition switch controlled.		
J. Heavy-duty radiator with two (2) speed air operated fan drive.		
K. Ethylene Propylene Diene Monomer (EPDM) hoses or approved equivalent.		
L. Constant torque heat shrink radiator clamps.		
M. 120-volt engine block heater with weather protected flip plug cover shall be located under driver’s door.		
N. Extended long life coolant protected to at least -40° F. The system shall be tagged indicating make, type of anti-freeze and degree of protection.		
O. Low coolant level warning light and audible alarm.		
P. Automatic engine shutdown system for oil pressure, coolant temperature, and coolant level with a 30 second delay and auto override.		
Q. Heated fuel/water separator.		
R. Integrated fuel pressure sensor.		
S. All engine and emission related system fluids shall remain as a stable liquid unaided within the normal expected vehicle ambient temperature operating range of -20° F to 100° F.		
T. Oil pan: an extended life coated oil pan consisting of metal/plastic/metal construction shall be provided. The material shall be a single sheet composite with two (2) layers of sheet metal sandwiching plastic material. The triple composite shall have an electro-deposition prime coat with powder coating for the final finished coat. Written certification is required.		
TRANSMISSION:		
A. Allison 3000 RDS or approved equivalent.		
B. Five (5) forward speeds automatic with dash mounted push button control.		
C. Included shall be a transmission oil cooler and temperature gauge.		
D. Synthetic transmission fluid shall be used and installed by OEM.		
E. Furnished PTO provision and dash mounted (if needed) temperature gauge.		
F. Chassis manufacturer installed PTO accommodation for electric cover		

	COMPLY	
	YES	NO
hydraulic PTO with dash mounted, back-lighted switch and indicator light in gauge cluster. Shall have wiring incorporated and over-speed protection programmed within the OEM electrical system.		
G. TCM (Transmission Control Module) shall be located inside cab.		
FUEL TANK:		
A. 50-gallon minimum capacity aluminum fuel tank mounted under cab and shall include stainless steel straps.		
B. Thermostat controlled electric fuel heater and filter with filter restriction/change indicator.		
C. Fuel tank shall be labeled in 1" high green letters "DIESEL FUEL ONLY" .		
D. Vent tube for fuel tank shall be attached to a bracket via zip-tie.		
FRONT TIRES & WHEELS:		
A. Two (2) Goodyear or approved equivalent 12R22.5, 16 ply highway tread radials.		
B. Hub piloted black powder coat paint 8.25" steel disc wheels.		
REAR TIRES & WHEELS:		
A. Four (4) Goodyear or approved equivalent 12R22.5, 16 ply highway tread radials.		
B. Hub piloted black powder coat paint 8.25" disc wheels.		
C. Rear plain black mud flaps (No Advertisements).		
PINTLE HOOK & PLATE:		
A. The pintle hook shall be a forged steel ridge mount design sized to carry an 8,000 lb. vertical load and 40,000 lb. gross trailer weight.		
B. The pintle hook shall include a secondary cable tethered safety pin with a double wire tab lock. A cotter pin and chain shall not be an acceptable secondary lock pin arrangement.		
C. A ½" thick by at least 36" wide formed steel plate, full width of chassis frame rails with a 3" return flange at the bottom shall be bolted to the chassis frame.		
D. Bottom and side support gussets shall be included.		
E. Two (2) swivel ¾" cold rolled steel "D" loops, 3" i.d. shall be attached to the bottom flange.		
F. Properly sized grade 8 bolts shall be used throughout the installation.		
G. The pintle hook shall be 26" from ground to center of hook.		
H. The pintle hook shall be attached to the frame plate with grade 8 bolts in accordance to the manufacturer's specification.		
I. A 7-pole round pin type trailer connection socket (Cole Hersee 12310) or approved equivalent for trailers with electric brake controller systems shall be OEM provided, wired for turn signals combined with stop, compatible with trailers that use combination stop, turn lamps as per the 7-wire plug as per Specifications: 7PTC. Black in color. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		

	COMPLY	
	YES	NO
J. A 7-pole round pin type trailer connection socket (Cole Hersee 12080-11 ABS) or approved equivalent for trailers with air brake, anti-lock air brake systems shall be OEM provided, wired for turn signals combined with stop, compatible with trailers that use combined stop, tail turn lamps as per the 7-wire plug as per Specifications: 7PTC-ABS. Green in color. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
K. Complete ABS air brake trailer system including a hand valve control and trailer protection valve shall be installed with the exception of the Glad Hands. The Glad Hand outlets on the pintle plate (location to be determined by the Authority) shall be plugged to prevent air leakage (<u>swivel</u> glad hands 45° cast iron, 3/8" port size, 180° rotation). The Glad Hands shall be installed at a location determined by contacting the NJTA Inspector prior to installation.		
L. License plate holder with light shall be located on top portion of 36" wide formed steel plate.		
REAR HOUSING:		
A. Two (2) rear housings shall be made of heavy-duty steel.		
B. Housing shall be welded into the rear bottom portion of the 36" wide formed steel plate.		
C. Each of the housings shall have cut-out holes for brake-tail-turn signals and back-up lights. All lights shall be LED.		
CAB:		
A. Conventional galvanized steel cab.		
B. Hood shall be a 3-piece design with stationary bright finished grille.		
C. Odometer shall display miles, trip miles, engine hours, trip hours, and engine/vehicle system codes.		
D. Included shall be cab rear air bag suspension.		
E. All glass shall be tinted.		
F. Body builder "knockout" shall be provided in cab floor for body builder connections.		
G. Air operated, high-back vinyl driver seat with headrest and lumbar support and inboard armrest.		
H. High-back vinyl non-suspended passenger seat with headrest.		
I. 3-Point seatbelts with automatic retractors.		
J. Overhead console with radio pocket wired as described in Paragraph T of ELECTRICAL Section.		
K. Include shall be front storage pockets.		
L. Dome light, left and right interior courtesy lights shall be mounted on door pockets. Lights shall activate when doors are opened.		
M. Dual sun visors.		
N. In-dash cup holder.		
O. Driver's door storage pocket.		
P. Interior grab handles on both sides.		

	COMPLY	
	YES	NO
Q. Chrome exterior grab handle with rubber insert-drivers side of cab.		
R. Exterior mirrors shall be approximately 16" x 7" with break-away style "C" stainless steel brackets and convex mirrors. A look down 6" x 10" panoramic mirror shall be mounted above passenger door. Both primary mirrors shall be motorized and controlled by a switch located in cab within easy reach of the driver. Primary and convex mirrors shall be thermostatically heated.		
S. HVAC system shall include heater/defroster/air conditioning. Air conditioning system shall have self-diagnostic features with dash displayed fault codes.		
T. Standard instrumentation packages included with plug in type gauges.		
U. Hood wheel well rubber fender extensions shall not be acceptable.		
MISCELLANEOUS:		
A. Provided and install in cab a dry chemical 5 lb. "UL" listed fire extinguisher suitable for ABC class fires. A quick-release type metal bracket shall be used to mount extinguisher. Location shall be near driver's side door (beside seat, if possible) with handle facing rear.		
B. Provide a D.O.T. approved reflective triangle kit in cab.		
PAINT:		
A. All metal parts shall have the mill scale and oil removed by means of a high-pressure chemical cleaner prior to painting.		
B. All frame and running gear shall be painted manufacturers black.		
C. The top of the hood shall be painted non-reflective flat black.		
D. The other sections of the cab shall be painted with DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent. Paint shall be applied in a two-step process with the orange base coat and additional polyurethane overcoat.		
E. Wheels, bumper, battery box (not battery cover), frame, and engine oil pan shall be powder coat painted.		
DIAGNOSTIC, REPAIR & PARTS:		
A. Diagnostic and repair information for transmission, air-brake system, and other installed components shall be Web-based or PC based software.		
B. Three (3) complete sets of factory diagnostic and repair vehicle interface software, to include all necessary cabling and connections for a laptop computer or a hand held device shall be supplied.		
MANUALS:		
A. Detailed schematic and description of all body hydraulics, electrical, and other components not installed by chassis manufacturer shall be provided. Three (3) of each of the following manuals in either paper form or computer disc shall be supplied upon delivery: Operation, Repair, Maintenance, Parts, and Electrical.		

	COMPLY	
	YES	NO
WARRANTY:		
A. Engine: five (5) years/150,000 miles/5400 hours including all electronic engine components and injectors at 100% parts and labor.		
B. Cab: five (5) years unlimited miles for perforation, corrosion, and structure.		
C. Frame: seven (7) years/unlimited miles for cracks at 100% parts and labor.		
D. Transmission: five (5) years/unlimited mileage at 100% parts and labor.		

**SPECIFICATIONS: LBP-2015
LIFT BODY PLATFORM**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

	COMPLY	
	YES	NO
GENERAL:		
A. New current model lift body platform, central hydraulic system and associated equipment designed to be installed on the chassis-cab specified in this bid (Specification: CC-2015).		
B. The components shall be new and of the latest design and be in current production at time of submission of bid.		
C. Bidders must provide detailed specifications, technical sheets, pictures or brochures describing exact unit/equipment that shall be provided.		
D. All standard and optional equipment shall be Original Equipment Manufacturer (OEM).		
ALUMINUM LIFT PLATFORM:		
A. The platform shall be designed to incorporate extendable sides and handrails.		
B. The floor shall be constructed of aluminum tread plate and 2" x 2" x 3/16" and 2" x 2" x 3/8" aluminum tubing.		
C. The main frame shall be constructed of 6" x 12 lbs. ship channel steel.		
D. The platform shall be 96" wide x 192" long.		
E. The extendable sides shall be constructed of aluminum tread plate deck and 2" x 2" x 5 lb. channel.		
F. The extendable sides shall consist of two (2) sections measuring 16' x 30" when extended and shall be capable of being deployed by a single operator.		
G. A hydraulic cylinder controlled by the upper pendant control unit shall operate each section.		
H. The perimeter shall be equipped with handrails.		

	COMPLY	
	YES	NO
I. The handrails shall be 42" high with a 4" kick plate and constructed of 1.5" x 14-gauge aluminum tubing.		
J. Handrails shall be removable.		
K. Telescopic handrails shall be provided between platform and extended sides. Chains shall not be acceptable NO EXCEPTIONS		
L. Hinged gates shall be provided at rear entrance and one (1) hinged gate shall be provided in the center for the front rack to give access to the front stairs.		
M. Access to platform shall be from the street side or curb side utilizing steps and four (4) handrails and center landing. Assemblies shall be made from aluminum tread plate.		
N. A bulkhead shall be mounted at the front of the platform body and be constructed of 8-gauge aluminum and reinforced.		
O. An expanded metal window shall be provided and shall be located to accommodate rear window of chassis.		
SPLASH GUARDS:		
A. The platform shall be equipped with front and rear splash guards.		
B. The front splash guards shall be 3/16" steel and clear the ground by approximately 24" and be suspended from the chassis frame.		
C. The rear splash guards shall clear the ground and rear tire by approximately 12".		
D. The rear splash guards shall be vertical and a maximum of 22° from the point where the rear tire makes contact with the ground.		
E. The rear guards shall be anti-sail flexible black vinyl or rubber construction (no advertisements), suspended from the chassis frame.		
F. The rear splash guards shall be centered directly behind the wheels.		
HYDRAULIC SYSTEM:		
A. The hydraulic system shall be equipped with electrical solenoids to operate the control valves.		
B. Hydraulic system shall be powered by a hot shift type transmission mounted PTO.		
C. The chassis cab switch (if needed) shall be used to activate the PTO.		
D. A high pressure in-line filter shall be supplied.		
E. Safety check valves shall be mounted directly to all lift cylinders.		
F. There shall be separate controls and circuits for each outrigger cylinder to assure the unit can be properly leveled.		
G. The system shall have a hydraulic reservoir capable of having all cylinders fully extended with sufficient hydraulic oil to prevent air entrapment in the suction line.		
H. A condensate removal apparatus and over-temperature emergency shutdown shall be provided.		
I. The system shall include a manual hand pump to facilitate lowering the platform and retraction of the stabilizers in the event of PTO or engine		

	COMPLY	
	YES	NO
failure. Also the lower button on the lift if used will let the body come down if the ignition switch on the truck is still on.		
J. The hydraulic pump shall be close coupled to the PTO housing and be properly sized to operate all hydraulic functions.		
K. The solenoids shall be mounted in a box under the center platform of the access to the platform and have a hinged top/floor for easy access.		
HYDRAULIC OIL RESERVOIR:		
A. The oil reservoir shall be a minimum of 35-gallon capacity constructed of .125 steel and cushion mounted to the chassis.		
B. An internal baffle shall be located to prevent return oil flow from venting directly to suction port.		
C. A return line filter with a 25 micron spin on canister shall include an electric sending unit to activate a light mounted in the cab console.		
D. The filter shall be mounted to a drop tube, discharging return oil flow through the top of the tank to allow filter element to be changed without the use of any type of shut off valve.		
E. Drop tube tapered outlet shall be below oil level at all times to prevent air entrainment.		
F. An inlet stainless steel suction strainer of 125 micron shall be located within the reservoir and mounted in a manner to be submerged at all times.		
G. The strainer shall include a 3 psi by-pass.		
H. A 10 micron, screw lock breather cap with basket shall be mounted on the reservoir.		
I. A breather cap shall have a displacement of not less than 110 gpm.		
J. A 12" diameter steel clean out cover with a silicone gasket shall be installed on the top of the reservoir to allow easy access to all internal tank accessories.		
K. A 5" combination level temperature sight glass shall be located in a visible but protected location.		
L. A magnetic drain plug shall be installed at the lowest point of the reservoir.		
M. A 2" full flow ball valve shall be located in the suction line as close to the reservoir as possible.		
N. Reservoir shall be cleaned and filled with ISO 15 hydraulic oil.		
O. Reservoir shall be permanently labeled in black 1" high black letters "HYDRAULIC OIL ONLY" .		
HYDRAULIC OIL:		
A. Hydraulic oil shall be ISO 15 and filtered through a 10 micron filter before filling hydraulic system.		
B. All hydraulic system components shall be thoroughly cleaned before initial oil fill.		
C. After initial oil fill the hydraulic system shall be operated and completely tested through each circuit.		

	COMPLY	
	YES	NO
D. All functions shall be operational before delivery.		
PUMP DRIVE:		
A. The hydraulic pump shall be driven via a hot shift type power take off, mounted on the truck transmission.		
B. This PTO shall operate at a minimum of 125% of engine speed and have the pump directly mounted to it.		
HYDRAULIC LINES & PLUMBING:		
A. All hydraulic lines, hoses and fittings shall be of sufficient capacity to accommodate the volume of oil without undue heating or turbulence in the system.		
B. A 2" suction line with a minimum SAE rating of 100-R4 shall be used between the reservoir and the inlet of the pump.		
C. If clamps are used to secure the hose ends, they must be heavy-duty and the NJTA must pre approve them. Radiator clamps are unacceptable.		
D. All pressure hoses, including 1/4" signal sense line to the pump must have swivel fittings on both ends and a minimum SAE rating of 100-2R.		
E. Return lines and case drains must have a minimum SAE rating of 100-1R.		
F. All hydraulic lines must be routed in such an order as to not interfere with chassis components or exhaust.		
G. All hoses that rub or touch moving chassis compartments shall have additional wear, cutting, impact, and abrasion protective coverings. Plastic loom shall not be acceptable.		
H. The use of pipe fittings with pressure lines is unacceptable.		
I. All hydraulic components must have SAE or O-ring type connections and fittings.		
J. All hoses shall include JIC type female swivel ends with the exception of the suction line.		
K. The maximum distance between support clamps of all hydraulic hoses shall be 24".		
HYDRAULIC VALVE ENCLOSURE:		
A. All of the hydraulic valves shall be mounted in a "NEMA" type enclosure.		
B. The enclosure shall mount in a box mounted under the center platform of the access to the platform and have a hinged top/floor for easy access.		
C. All cable entry shall be through watertight compression fittings.		
D. No fuses or relays shall be acceptable inside the valve enclosure.		
E. Enclosure material shall be at least .125" x 5454H32 aluminum main body and .125" x 5454H32 aluminum cover or stainless steel.		
F. All wiring within the enclosure shall be type "SO" minimum.		
G. Design shall be approved by the New Jersey Turnpike Authority.		
LIFT SYSTEM:		
A. The lift system shall consist of a scissors type hoist with a telescopic		

	COMPLY	
	YES	NO
hydraulic cylinder.		
B. The cylinder shall be a four (4) stage chrome plated telescopic cylinder with a minimum of 2,000 psi rating.		
C. The cylinder shall be a Custom Hoist model 74-401-135 or approved equivalent.		
D. The lift capacity shall be a minimum of 10,000 lbs. with an evenly distributed load.		
E. The extended height shall be a minimum of 21' measured from ground to platform floor.		
STABILIZERS:		
A. There shall be four (4) fold down hydraulically activated stabilizers.		
B. The forward two (2) shall be located at the front of the platform and the rear two (2) shall be located behind the rear spring hangers of the chassis.		
C. Each stabilizer shall include a double acting cylinder with dual pilot operated check valves for safety.		
D. There shall be no hoses installed between the check valves and the cylinders. NO EXCEPTIONS		
ELECTRICAL SYSTEM:		
A. The electrical system shall power the hydraulic system and provide for overall logical operation of the unit; e.g. lift platform shall be restricted from rising unless the unit receives a positive signal that the stabilizers are deployed and supporting the unit.		
B. The location of the cab mounted console shall be approved by the NJTA Inspector prior to mounting.		
C. There shall be two (2) control stations mounted in water-proof enclosures capable of raising and lowering the unit.		
D. The top control station shall include: <ul style="list-style-type: none"> • Emergency stop button. • Warning light indicating emergency stop is activated. • Platform raise. • Platform lower. • Enable button. • Remote engine start. • Four (4) independent switches to control the four (4) extension work areas. • Decal to orient the control station so that the switches, when activated, will mirror the actual movements of the platform extension. • Placement of extension switches on control station shall mirror the quadrant they control when station is properly oriented. 		
E. The lower control station shall mount on curb side between the lift and the stairs and include: <ul style="list-style-type: none"> • Physical lock to prevent non-authorized use of the station. • Mode selection switch to place the vehicle in drive mode, lower 		

	COMPLY	
	YES	NO
station lift mode or upper station lift mode. <ul style="list-style-type: none"> • Outrigger control switches (4). • Platform raise. • Platform lower. • Warning light indicating emergency stop activated. 		
F. The electrical control logic circuits shall include the following: <ul style="list-style-type: none"> • Heavy-duty industrial automotive printed circuit control board. • All controls are energized through 40-amp automotive plug in control relays. • Electronically monitored hydraulic temperature and fluid contamination. • Signal contacts are protected against arcing and welding by surge suppression devices. • A spare relay shall be mounted on the board for emergency repairs. • LED indicators showing board status if OK and LED's on all inputs and outputs to the board. 		
SAFETY INTERLOCKS & DEVICES:		
A. The vehicle shall come with safety interlocks to provide maximum protection to the operators and unit.		
B. These interlocks shall prevent sequential operation events from being performed unless the safety condition is met.		
C. Safety interlock circuit shall prevent moving the truck while lift mode is selected. (Neutral safety switch kills engine if unit is shifted into forward or reverse when the outriggers are deployed).		
D. In drive mode, transmission inhibit system shall not allow truck to move when lift or outriggers are not fully retracted.		
E. Lower emergency manual pump shall allow stowing the lift and outriggers in case of hydraulic failure.		
F. Upper emergency hand pump or one button down by gravity when engine is shut down but ignition is still on to allow operator to lower platform in case of power failure.		
G. Safety interlock indicating that outriggers are deployed and platform can be raised.		
H. Safety interlock indicating outriggers are stowed and unit can switch into drive mode.		
I. Safety harness attachment rings (1 per quadrant).		
J. Hydraulic over temperature shutdown.		
CHASSIS CAB PROVIDED SWITCH PANEL:		
A. The following switches shall be provided by the chassis manufacturer and will be incorporated in the chassis standard wiring and circuit protection. It shall be the responsibility of the body supplier to ensure capability of installed equipment with switches provided by chassis manufacturer: <ul style="list-style-type: none"> • PTO 		

	COMPLY	
	YES	NO
<ul style="list-style-type: none"> • Front rotator warning lights • Rear warning lights • Rear work lights • Inverter • Spare 		
LIGHTS:		
A. All lighting shall be in compliance with DOT FMVSS-108 Regulations.		
B. Rear warning lights: Two (2) Whelen Amber LED, 500 Series lights, Model 01-0664003-AO or approved equivalent shall be flush mounted to the rear corners of the platform body. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
C. The rear warning lights shall be wired to the chassis cab OEM back-lit rocker type switch on the dash and labeled "Rear Warning Lights".		
D. Stop, turn, tail, and back-up lights shall be a Truck Lite model LED or approved equivalent flush mounted into the rear of the platform body. Exact location shall be determined by contacting the NJTA Inspector prior to mounting.		
E. Work Lights: four (4) Betts model or approved equivalent clear adjustable halogen work lights shall be installed on each top corner of platform railing. Each work light shall have its own independent toggle switch but shall also have a master switch in cab to turn lights on/off simultaneously. Lights shall be mounted so they do not protrude beyond the outer edges of the body. All wire holes shall be sealed with clear silicone. The work lights shall be wired to the chassis cab OEM back-lit rocker type switch on the dash and labeled "Work Lights".		
AIR SUPPLY SYSTEM:		
A. A twenty (20) gallon capacity air storage tank or tanks shall be supplied and mounted between the chassis frame rails.		
B. The storage tank shall be plumbed to the chassis air tank system.		
C. An automatic moisture drain shall be provided along with an air filter on the outlet side.		
D. A quick coupler shall be provided in the platform and plumbed to the storage tank.		
E. Retractable reel with ½" x 50' hose and quick coupler shall be mounted in an aluminum tread plate tool box 24" x 24" x 24" with hole out the side to the rear with 4-way roller on outside of the box and plumbed to storage tank.		
F. A safety air protector valve shall be provided and set at 90 psi so if chassis cab air system goes below 90 psi the spare air tank will shut off.		
INVERTER:		
A. Provide a Dimensions model 12/300N or approved equivalent pure sine wave power inverter with two (2) 9C12 safety batteries mounted on the left side of body and required circuit tie into chassis.		
B. Upgrade chassis alternator to a Brute 200-amp output alternator to supply		

	COMPLY	
	YES	NO
inverter system (if required).		
C. Two (2) GFI protected outlets in heavy-duty box and weatherproof protective cover, one (1) shall be mounted in front of body up on the platform by the lifts control box and one (1) at the ground level rear of chassis mounted off the inverter tool box along with one (1) 220 volt outlet.		
D. Inverter shall be mounted in an aluminum tread plate tool box approximately 18" x 18" x 18" with air vents and drop door, frame mounted on drivers side at rear.		
E. A rocker type back lit switch shall be dash-mounted into the OEM panel in cab to activate/deactivate inverter.		
F. All wiring shall be in protective loom and where wiring passes through any panel or edge, protective grommets or edging shall be provided.		
G. Heavy-duty retractable cord reel for use with 100 VAC, shall be mounted in the same compartment with the air hose reel on the curb side rear with fold down access door to rear. Side opening shall have rollers on all four (4) sides to allow smooth wire passage through opening. Provide 50' of usable 12-gauge wire with ground tied through GFI circuit of inverter. Hard wire cord reel to inverter.		
TOOL BOX:		
A. A weatherproof tool box shall be mounted curb side front with ¼" x 2" x 2" angle.		
B. Construction shall be a minimum of ⅛" aluminum deck plate.		
C. Door must have side hinge (barn door) so door can swing forward upon opening.		
D. A locking paddle type latch and rubber weather strip on door shall be provided.		
E. Size shall be approximately 36" x 18" x 18".		
F. Stainless steel hardware shall be used.		
BODY ALARM & LIGHT:		
A. A dash-mounted and engraved labeled body up wiring light activated by a NEMA 12 switch shall be provided with an intermittent alarm.		
WHEEL CHOCKS:		
A. Four (4) wheel chocks fabricated from aluminum with aluminum chassis holders shall be provided.		

SPECIFICATIONS: LBS-2015
LIGHT BAR STANCHION

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

	COMPLY	
	YES	NO
LIGHT BAR STANCHION:		
<p>A. Two (2) rotor light stanchion mounting bracket shall be fabricated as follows:</p> <ul style="list-style-type: none"> Bracket base shall be a minimum of 6" x ¼" rolled steel plate cold pressed to conform to the outside of the chassis frame in an inverted "L" shape, the base shall have two (2) 21/32" holes drilled in the vertical portion at evenly space intervals to match exiting chassis manufacturers holes. <p>The bracket upright shall be a minimum of 7" x 4" x ¼" rolled steel plate welded vertically and centered to the bracket base, the upright shall have three (3) 17/32" holes drilled in an evenly spaced triangular pattern to facilitate stanchion mounting.</p>		
B. The rotor light stanchion mounting bracket assembly shall be cleaned, primed and shall have a black powder coat finish.		
C. Each rotor light stanchion base shall be mounted to the chassis frame through existing chassis manufacturer holes between the rear of the cab and the front of the material transport system (hook lift), using two (2) ⅝" grade 8 bolts, two (2) steel flat washers, and two (2) grade 8 nylon locking nuts.		
<p>D. The rotor light stanchion structure shall be weld fabricated as follows:</p> <ul style="list-style-type: none"> Two (2) vertical upright posts shall be a minimum of 4" x 2" 10-gauge roll formed stainless steel C-channel set vertically (overall rotor light assembly shall be 1" higher than the cab roof). Two (2) minimum of 3" x 1½" 10-gauge roll formed stainless steel C-channel cross braces shall be angularly weld mounted from left to 		

	COMPLY	
	YES	NO
right between the upright posts.		
E. A minimum of a 2" x 3/16" capped stainless steel tube crossbar shall be weld mounted and gusseted with a minimum of 3" x 1½" 10-gauge roll formed stainless steel C-channel weld mounted between crossbar and channel uprights. The crossbar shall be approximately 9½' wide but shall not be wider than the exterior mirrors.		
F. The crossbar shall have a minimum of 3/16" round stainless steel rotor light mounting plates at each end. The diameter of each plate shall be at least ¼" larger than the diameter of the rotor light base. The plates shall be weld mounted horizontally at the outer most edge without exceeding the width of the crossbar.		
G. Two (2) 12" long sections of ½" o.d. stainless steel tubing shall be weld mounted and evenly spaced along the crossbar and two (2) 12" long sections of ½" o.d. stainless steel tubing shall be weld mounted and evenly spaced along the left side vertical stanchion upright to facilitate rotator light wire routing.		
H. The rotor light stanchion shall be mounted to the rotor light stanchion mounting bracket using six (6) ½" grade 8 bolts, six (6) steel flat washers, and six (6) grade 8 nylon locking nuts.		
I. The rotor light stanchion assembly shall not interfere or have contact with the cab or lift platform and shall provide adequate strength with a minimum amount of vibration transference to the rotor lights.		

SPECIFICATIONS: RL-2015
ROTATOR LIGHTS

BIDDER'S INSTRUCTIONS

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	COMPLY	
	YES	NO
ROTATOR LIGHTS:		
A. Class I Ecco Roto LED Beacon Model # 7660 rotator warning lights or approved equivalent.		
B. The Rotator Light system shall also include the following features: <ul style="list-style-type: none">• All system wiring and switching shall be multiplex interfaced.• A latched Rotor Light switch shall be green back-lit and labeled Light Bar.• All system functional features shall be controlled by programmable ladder logic.• A circuit failure within the Rotator Light system layout shall flash the green on indicator in the Light Bar switch.		
C. All wiring shall be type "SO" cord and sized to sufficiently handle current demands of all lighting.		
D. The harness wiring shall be securely mounted and routed to prevent damage, originate in the cab at the multiplex interface and terminate at each rotator light with a weatherproof socket connector. No other splicing or connections shall be acceptable.		

SPECIFICATIONS: 7PTC **7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS**

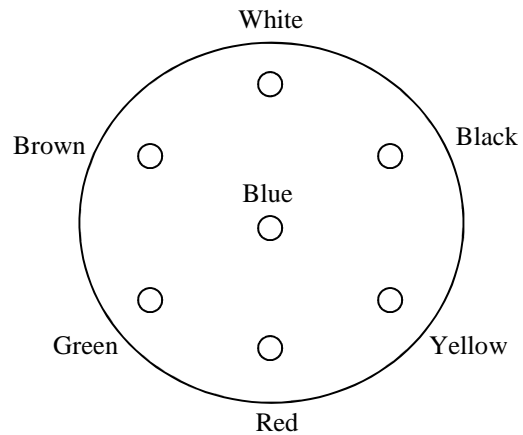
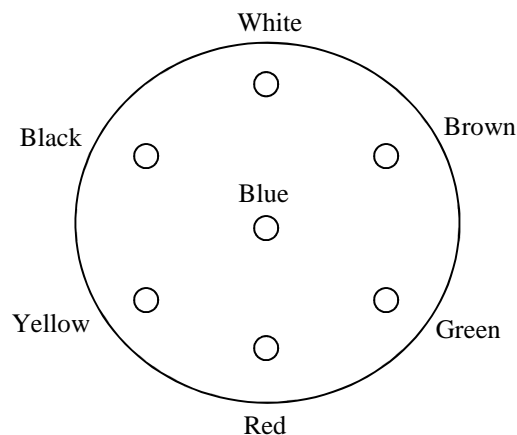
CONNECTOR MARKING COLOR

APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

SOCKET MARKINGS

PLUG MARKINGS



SPECIFICATIONS: 7PTC-ABS
7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

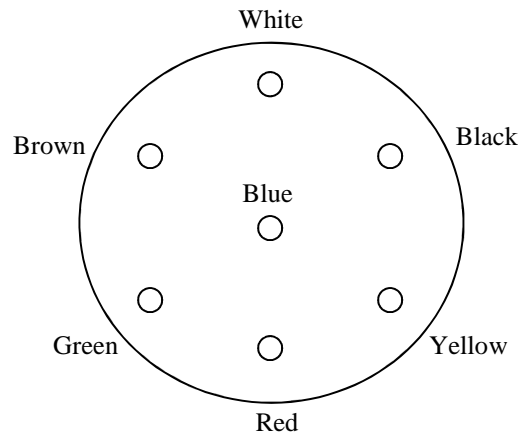
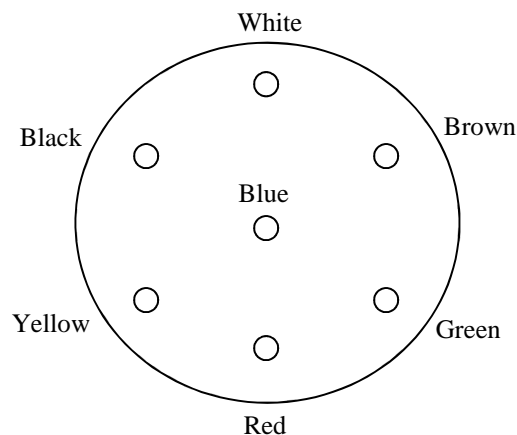
CONNECTOR MARKING COLOR

APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ABS BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION. (Activated in "Key On" Position)

SOCKET MARKINGS

PLUG MARKINGS



SERVICE PARTS IDENTIFICATION FORM

Preventative Maintenance Items:			
Private label part number identification shall not be acceptable. A common automotive industry recognizable identification capable of cross referencing with manufactures such as Fram, Hastings, Purolator, Wix, etc. shall only be accepted.			
	Required Amount	OEM Part #	After Market Part #
Engine Group:			
Primary Oil Filter			
Secondary Oil Filter			
Air Filter			
Other			
Primary Fuel Filter			
Secondary Fuel Filter			
Water/Fuel Separator			
Coolant Filter			
Other			
Ignition Group:			
Spark Plug			
Spark Plug Wires			
Other			
Other			
Emissions Group:			
PCV Valve			
Other			
Drive Train Group:			
Transmission Primary Filter			
Transmission Secondary Filter			
Axle Housing Breather			
Other			
Brake Group:			
Compressor Intake Filter			
Air Dryer Desiccant			
Power Take Off Group:			
Hydraulic Filter			
Breather Filter			
Other			
Miscellaneous:			
Left Windshield Wiper			
Right Windshield Wiper			
Rear Windshield Wiper			
Cab Ventilation Filter			

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

(Must be submitted by vendor with bid documents)

I. TRUCK CHASSIS:

YEAR:_____ MAKE:_____ MODEL:_____

ENGINE MAKE:_____

MODEL:_____ CID:_____ HP:_____ @ _____ RPM

ALTERNATOR MAKE: _____ MODEL: _____

AMPS:_____

BATTERY VOLTS/AMPS: _____

C.C.A. @ O° F: _____

TRANSMISSION MAKE: _____

MODEL: _____

BACK-UP ALARM MAKE: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

LIFT PLATFORM BODY:

DESCRIPTION: _____

YEAR:_____ MAKE:_____ MODEL:_____

PLATFORM LENGTH: _____

PLATFORM WIDTH: _____

EXTENDABLE SIDES LENGTH: _____

EXTENDABLE SIDES WIDTH: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

INVERTER:

DESCRIPTION: _____

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

ROTATOR LIGHTS:

DESCRIPTION: _____

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

LOCATED AT:_____

TELEPHONE #:_____

CONTACT:_____

Name & Title

REAR WARNING LIGHTS:

DESCRIPTION:_____

YEAR:_____MAKE:_____MODEL:_____

INSTALLER:_____

SERVICING AGENCY:_____

LOCATED AT:_____

TELEPHONE #:_____

CONTACT:_____

Name & Title

WORK LIGHTS:

DESCRIPTION:_____

YEAR:_____MAKE:_____MODEL:_____

INSTALLER:_____

SERVICING AGENCY:_____

LOCATED AT:_____

TELEPHONE #:_____

CONTACT:_____

Name & Title

[illegible]

Date _____